

In re. Appln. of SENIOR et al.
Application No. 09/364,220

A the bus wherein the rebalancing module may change the bandwidth allocations to the plurality of devices connected to the bus and request a particular-device to change its particular-bandwidth-allocation in accord with a policy; utilizing, if the particular-device fails to change its particular bandwidth, an option to reset the particular-device to release the entire particular-bandwidth-allocation as part of the rebalancing; and completing the rebalancing by the rebalancing module including a generation of optional messages.

12. (Amended) The method of claim 2 wherein the policy includes that bandwidth resources required by a currently running application are preferred over requirements of a minimized application.

A 2. 13. (Amended) The method of claim 2 wherein the policy includes that bandwidth resources required by a first application are preferred over requirements of a second application if the output of the first application is in the foreground relative to the output of the second application.

14. (Amended) The method of claim 2 wherein the policy includes that bandwidth resources, required by a most-recently-used-application, are preferred over requirements of other applications.

15. (Amended) The method of claim 2 wherein the policy includes that the bandwidth request by the latest device connected to the USB is preferred over other requests.

16. (Amended) The method of claim 2 wherein the policy includes that bandwidth resources required by a prescribed configuration of devices be preferred over requests that would require undoing the prescribed configuration.

17. (Amended) The method of claim 2 wherein the policy includes resetting more than one device whereby bandwidth is released.

18. (Amended) The method of claim 2 wherein the policy includes that more than one device, in the alternative, may be reset to release bandwidth.

20. (Amended) A method for rebalancing an existing-bandwidth-allocation, to a plurality of devices connected to a USB, due to a request for bandwidth by a first-device connected to the USB, said method comprising: handling a rebalancing event; determining the existing-bandwidth-allocation; determining a plurality of second-device-bandwidth-modes corresponding to a second-device connected to the USB; requesting the second device to reduce second-device-bandwidth-usage; and requesting a second-device-hub-driver to reset the second-device if second-device-bandwidth-usage is not reduced and resetting the second-device in accordance with a policy.

27. (Amended) The method of claim 20 wherein the policy includes preferences for allocating bandwidth based on other devices being used.

28. (Amended) The method of claim 20 wherein the policy includes preferences for allocating bandwidth based on a time when rebalancing event is generated.

29. (Amended) The method of claim 20 wherein the policy includes a preference for allocating bandwidth based on a priority value associated with the first-device.

37. (Amended) A method for rebalancing an existing bandwidth allocation to a plurality of devices connected to a computer system via a bus, the method comprising: responsively to a failure of a request by a first device to obtain bandwidth by conventional means; requesting a rebalancing-enabler to re-balance the existing bandwidth allocation to the plurality of devices connected to the bus wherein the rebalancing-enabler may change the bandwidth allocations to the plurality of devices connected to the bus and request a particular-device to change its particular-bandwidth-allocation in accord with a policy; utilizing, if the particular-device fails to change its particular bandwidth, an option to reset the particular-device to release the entire particular-bandwidth-allocation as part of the rebalancing; and completing the rebalancing by the rebalancing module including generation of optional messages.

REMARKS

In response to the office action, please consider the following remarks.